Innovation In and
Out of Parlour

ATL HDX Active Sync Manual

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GOOD PRACTICE: Control, Power and Data Cables and Conduit.

- Cables must be kept as short as possible running directly from point to point. Cut out any excess cable rather than leaving it coiled.
- Where ever possible cables should be contained in a waterproof conduit using the correct csa cable specified in the diagrams.
- Entries must be made into the bottom of power supply or control casings but never into the top. This will invalidate the warranty.
- Strip existing cables back to bright copper before connection.
- Keep multicore cables away from other cables especially those carrying mains or heavy currents. Cross only at 90° where necessary and do not enclose in conduit with other cables.
- Keep feeder cables and coaxial cables in separate conduits.
- Make sure diodes are fitted to all feeders, pulsators and solenoid valve. These should be fitted as close as possible to feeder motor or solenoid coil.

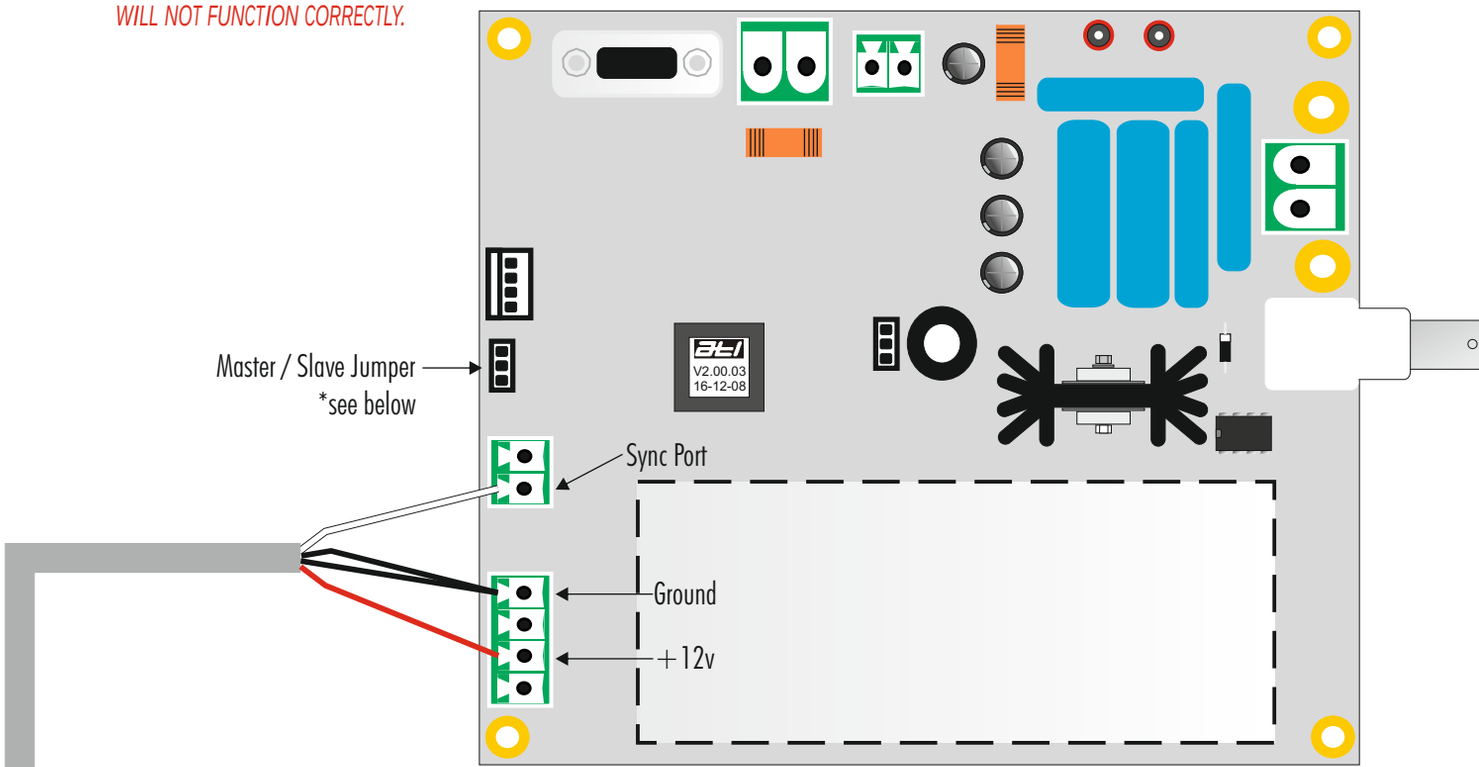
The ATL HDX Reader

The ATL HDX reader can be found in all ATL products which use automatic identification. Examples are parlour auto-id systems, Pegasus sorting gate systems and out of parlour feeding systems.

If an ATL HDX reader and a non-HDX reader are in close proximity, they may interfere with one another and adversely affect performance. In order to overcome this, the readers need to be synchronised together. This can be achieved by using the Active Sync and connecting into the synchronisation port as shown in the diagram below.

ATL V2.00 HDX Reader Synchronisation to Non-ATL HDX Reader

WARNING: *DO NOT RUN TWISTED PAIR DATA CABLE NEXT TO MAINS CABLES OR CABLES CARRYING HIGH CURRENT AS WILL CAUSE INTERFERENCE AND SYSTEM WILL NOT FUNCTION CORRECTLY.*



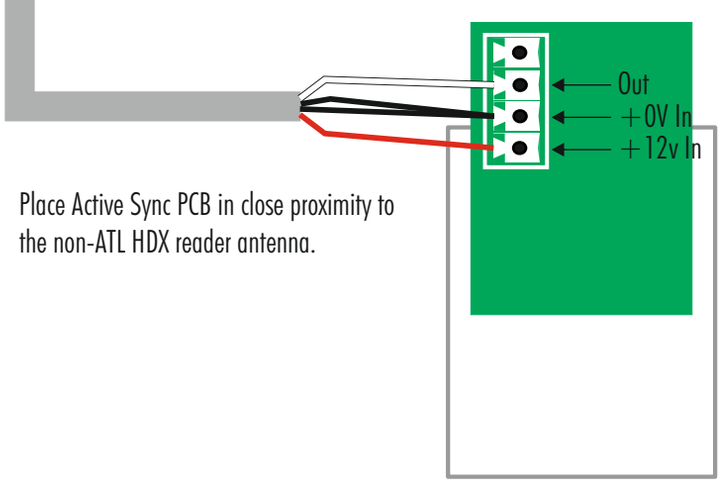
Master / Slave Jumper Settings

= Master

= Slave

The jumper should be set to slave to synchronise.

Active Sync Unit



Place Active Sync PCB in close proximity to the non-ATL HDX reader antenna.

ATL V3.00 HDX Reader Synchronisation to Non-ATL HDX Reader

WARNING: *DO NOT RUN TWISTED PAIR DATA CABLE NEXT TO MAINS CABLES OR CABLES CARRYING HIGH CURRENT AS WILL CAUSE INTERFERENCE AND SYSTEM WILL NOT FUNCTION CORRECTLY.*